janet | ESISS

Are your information systems protected?

Many organisations in the research and education community are looking to have some form of penetration testing performed on their systems. This may simply be to evaluate existing security measures and to find gaps where security needs improvement, but increasingly it is performed to comply with security standards when processing payment details.

Janet ESISS performs infrastructure and web application penetration tests for the community. Our service identifies security flaws within a network before they are exploited by a malicious attacker or malware.

Can you really be sure that your system won't be hacked, and is this a risk you can afford to take?

Case Study

As an FE College with four campuses across West London and over 20,000 students enrolling each year, Ealing, Hammersmith and West London College (EHWLC) wanted their new web enrolment system to undergo rigorous independent testing prior to its launch, and approached ESISS for advice. Working with EHWLC remotely meant that, once the agreement had been signed and the briefing undertaken, work was able to start straightaway. Daily updates from the ESISS team enabled EHWLC to react during the testing which resulted in the college's reputation and security being enhanced from day one.

"*Janet ESISS provides a way for the research and education community to share and gain access to a high level of trusted security expertise. We would recommend the service 100%*"

— Martin King, Head of IT Systems at EHWLC

The Janet ESISS Offer

Whether you opt for **Automated** or **Manual** Penetration Testing, our service can be critical in determining:

- How well your system tolerates real world-style attack patterns
- The likely level of sophistication an attacker needs to compromise your system successfully
- Additional countermeasures that could mitigate threats against your system
- Your ability to detect attacks and respond appropriately.

Automated Penetration Testing (also known as Vulnerability Assessment)	• Online web based delivery with our fully accredited partner • Test* packages range from 15 tests costing £275 (+VAT), to unlimited tests costing £3000 (+VAT), per year * 'Test' is a test of one or more configured addresses or web URLs e.g. Testing a /24 counts as one test, as would testing a /28
Manual Penetration Testing	• A more complete, bespoke and targeted solution with testing on-site or remotely via the Janet ESISS team • Testing in line with PTES, OWASP and OSSTMM recommendations, including common HE/FE/Research software from VLEs to databases • A daily rate of £650 (+VAT) including scoping, project management advice, testing, reporting and vulnerability assessment.

Janet ESISS services are offered at discounted, education price levels suitable for FE colleges, HE and research organisations.

Consultancy services are also available but depend on your organisation's requirements.

Reporting

Janet ESISS also produces a comprehensive report at the conclusion of the testing. This report typically contains:

- An Executive Summary: An overview of the entire assessment including any recommendations to improve the security posture of your in-scope environment
- A Graphical Summary: A graphical representation of the key findings, split into 3 categories and then positioned against the likelihood of exploitation
- A Vulnerability Analysis: A detailed description of each discovered flaw including any necessary technical information and corrective recommendations
- An Exploitation Probability: Each listed vulnerability is assigned a Probability Rating based on how likely it is to be exploited.

It is recommended, if you are able to, that you assess and improve the security of your network using the tools and skills available to you before you bring in a third party. Our Automated Penetration Testing service is ideally suited to this task, and by removing some of the more obvious security threats, you will get more value for money from the testing,

Find out more about Janet ESISS

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